

# Prof. Antonio Giuditta

## *Short curriculum vitae*

- 1932 Born in Catanzaro, Italy, on March 19.  
1955 MD degree (summa cum laude), Medical School of the University of Naples "Federico II".

### **Scientific activity**

- 1954-1955 Training in Biological Chemistry and fellowship of the "Dohrn" foundation at the Naples "Anton Dohrn" Zoologica Station.  
1956-1957 Post-doc at the Ford Institute for Medical Research, Detroit, MI, USA.  
1957-1959 Post-doc fellowship of the Multiple Sclerosis Society at the Department of Biochemistry, Einstein College of Medicine, Yeshiva University, New York, NY, USA.  
1959-1961 Post-doc fellowship at the Institute of Human Physiology, University of Ferrara.  
1962-1987 Together with two other research groups contributes to the establishment in Naples of the International Laboratory of Genetics and Biophysics (ILGB, later becoming IIGB), the first Institute of the National Research Council (CNR). He is responsible of the research group on Molecular Neurobiology, initially as CNR researcher and, since 1972, as Research Director.

### **Teaching activity and university positions**

- 1966 Member of the teaching staff in the Physiology course at the Marine Biological Laboratory, Woods Hole, MA, USA.  
1969 Teaches an advanced 4 weeks course on Functional Neurochemistry at the Department of Anatomy-Physiology, University of California at Berkeley, CA, USA. Teaches a similar course at the Institute of Physics, University of Genova, Italy.  
1962 Is awarded the Libera docenza in Biological Chemistry.  
1970-1974 Teaches courses of Neurochemistry for Biology students at the Science Faculty, University of Naples "Federico II", Naples, Italy. The course is the first one to be thought in Italian Universities.  
1976-1992 Teaches Neurochemistry at the advanced Psychiatric School of the Medical Faculty of the same University.  
1980-1981 Full professor of General Physiology at the Science Faculty, University of Perugia, Italy.  
1981-2006 Full professor of General Physiology at the Science Faculty, University of Naples "Federico II".  
1988-1990 Director of the Department of General and Environmental Physiology, University of Naples "Federico II".

### **Miscellaneous**

- 1968-2004 Directs a summer lab at the Marine Biological Laboratory (Woods Hole, MA, USA) for about 30 years while supported by NIH and NSF research grants awarded to joint research projects with Dr. B.B. Kaplan (presently at NIH, Bethesda, MD, USA). His work in Naples has been supported by the European Commission, CNR, the Ministry of Scientific Research and the University, and the University of Naples "Federico II".  
1993-2006 Member of the Naples Academy of Physical and Natural Sciences and of the Pontaniana Academy. Since 1988 secretary of the former Academy.

### **Publications**

180 original articles on refereed scientific journals, largely dealing with neurobiology topics. Editor of three books regarding "Role of RNA and DNA in Brain Function: A Molecular Biological Approach" (1986); "Apprendimento e Memoria" (1993); "The Function of Sleep" (1995).

### **Present research interests**

Gene expression in axons and nerve terminals. Role of sleep in memory processing. Role of brain DNA in learning. Mechanisms of biological evolution.